



# CONSTRUCTION EQUIPMENT

## VOLVO A30F 82299 - DROP BOX



**Sample No:** VCP454424  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454424</b>	VCP349009	VCP162726	---
Sample Date	<b>08 Feb 2024</b>	20 Jan 2022	01 Oct 2014	---
Machine Hours	<b>11988</b>	10461	1368	---
Oil Hours	<b>0</b>	1500	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>ATTENTION</b>	ATTENTION	ABNORMAL	---

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 369</b>	▲ 39.5	■ 66.61	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 0	■ 14	■ 33	---
Sodium	ppm	■ 0	■ 4	■ 2	---
Potassium	ppm	■ 0	■ 2	■ 6	---

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	■ <1	■ 81	■ 49	---
Copper	ppm	■ 0	■ 2	■ <1	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ <1	■ 0	■ 0	---
Aluminum	ppm	■ 0	■ <1	■ 13	---
Chromium	ppm	■ 0	■ 4	■ 1	---
Molybdenum	ppm	■ 0	■ 12	4	---
Nickel	ppm	■ 0	■ 0	■ <1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 0	■ 11	2	---
Vanadium	ppm	0	0	0	---



### ADDITIVES

Calcium	ppm	■ 8	▲ 4249	26	---
Magnesium	ppm	■ 0	■ 6	35	---
Zinc	ppm	■ 0	▲ 1724	10	---
Phosphorus	ppm	■ 928	▲ 1406	1350	---
Barium	ppm	■ 0	■ 0	0	---
Boron	ppm	■ 198	■ 139	182	---

**Depot:** RIPTAM  
**Unique No:** 10875190  
**Signed:** Jonathan Hester  
**Report Date:** 15 Feb 2024



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## GRAPHS

